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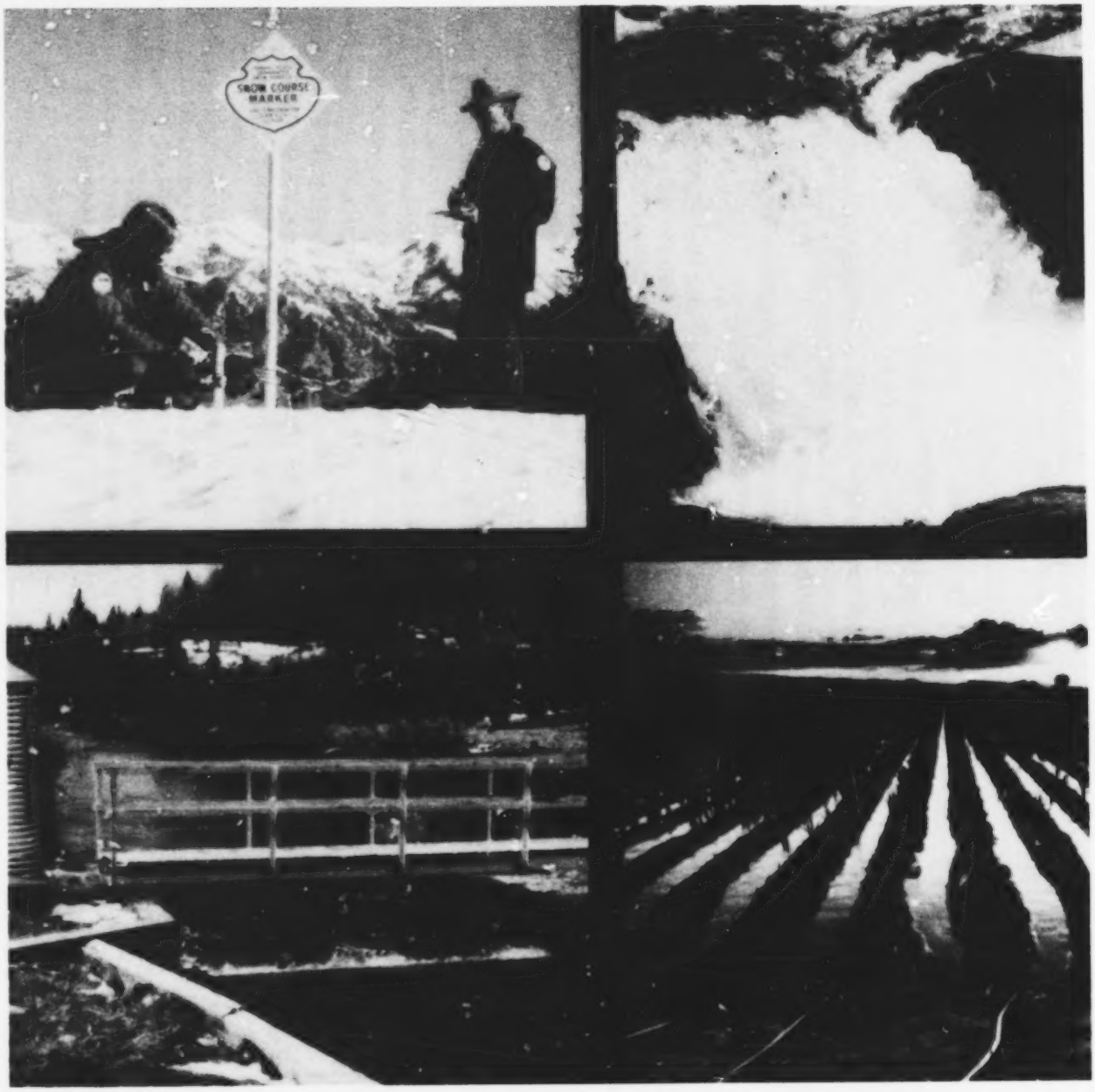
NEW MEXICO ANNUAL DATA SUMMARY

Water Year 1988



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Foreword

An Annual Summary

This report summarizes the snow water equivalent and precipitation data collected during this water year. This information was utilized in preparing the Soil Conservation Service Water Supply Outlook Reports, January 1st through June 1st.

These data were obtained using a combination of manual and automated measurement methods and are presented as a historical summary.

For More Information

Copies of this Annual Data Summary and Monthly Water Supply Outlook Reports may be obtained from the states listed below. Historical snow survey data may be obtained at those same offices. Computer access to water supply information may be gained through the Centralized Forecast System (CFS) at Portland, Oregon. For more information contact the state offices listed below.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Denver, CO 80211
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97208
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82601

Other Sources

Annual and historical information is prepared by other agencies including: NOAA — State Climatological Annual Summaries, N.C.D.C., Asheville, NC 28801; California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

New Mexico
Cooperative Snow Survey Data
of

Federal–State–Private
Cooperative Snow Surveys

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Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, or national origin.

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SNOW COURSE DATA — WY1988 (DEPTH & SWE in Inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
BOWL CANYON	8980	12/29	20	5.0	1/27	31	8.2	3/1	32	10.3	3/29	19	7.8						
					2/12	39	10.8	3/15	31	10.5									
EMORY PASS #2	7800	12/24	6	1.3	1/28	14	4.0	2/25	8	3.0	3/30	0	.0						
FRISCO DIVIDE	8000	12/30	16	3.3	1/28	16	4.5	2/25	13	3.8	3/25	1	.2						
					2/11	15	4.2	3/10	6	2.0									
HIDDEN VALLEY	8480				1/27	24	6.6	3/2	24	7.9	3/30	13	5.6						
		1/14	18	4.3	2/11	33	8.9	3/16	24	8.2									
HUMMINGBIRD	10550	12/31	46	10.1	1/29	52	15.0	2/26	53	17.5	Est	30	11.0						
					Est	-	17.0												
MCKNIGHT CABIN	9300	12/31	16	3.5	1/27	27	7.0	2/24	24	7.6	3/31	0	.0						
MOGOLLON	7000							Est	0	.0									
					2/12	0	.0												
REDSTONE TRAIL	8600							Est	22	7.4									
					2/12	27	9.3	3/11	20	8.5									
SIERRA BLANCA	10280				1/27	45	13.1	2/24	46	16.6	4/4	22	10.1						
SILVER CREEK DIVIDE	9070	Est	-	8.7	Est	-	10.0	3/1	32	10.8									
					2/12	33	11.4	3/11	29	11.3									
STATE LINE	8000	12/30	19	3.7	1/28	22	5.5	2/25	19	5.1	3/25	0	.0						
					2/11	22	5.9	3/10	4	1.5									
WHISKEY CREEK	9050	12/29	18	4.9	1/26	32	8.4	3/1	31	10.3	3/29	23	9.1	5/1	-	.0			
					2/9	40	11.2	3/15	33	11.6									
WHITEWATER	10750	12/31	46	10.1	1/29	68	19.5	2/26	68	22.0	Est	51	17.8						
					Est	-	21.8												
ALAMITOS	9800				1/28	29	6.4	2/26	25	7.3	3/28	1	.5						
BATEMAN	9800				1/29	37	8.5	Est	35	9.2	3/30	32	9.8	4/28	13	5.0			
BIG TESUQUE	10000				1/22	28	5.3	2/26	21	6.7	3/25	11	4.3						
BITTER CREEK	8800				1/27	25	5.1	2/24	18	5.0	3/29	0	.0						
CHAMA DIVIDE	7750				1/27	21	4.1	2/28	21	5.0	3/30	0	.0						
CHAMITA	8500	12/29	20	3.2	1/29	31	7.5	3/1	32	10.5	3/31	23	7.9	5/2	0	.0			
CORDOVA	10100							2/26	27	6.6									

SNOW COURSE DATA — WY1988 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
ELK CABIN	8250				2/2	17	4.8				3/29	2	.6						
GALLEGOS PEAK	9500	12/28	17	2.8	1/28	28	6.8	2/26	26	7.0	3/31	16	5.5						
HEMATITE PARK	9500				1/25	13	3.4	2/25	16	4.1	3/30	6	2.0						
HOPEWELL LAKE	10000	12/30	33	7.4	1/26	43	12.1	2/24	47	15.8	3/28	42	13.7	4/27	26	10.6			
LA CUEVA	8700				2/1	19	6.6	3/1	15	5.0	3/28	8	5.2						
NORTH COSTILLA	10600	1/5	10	1.9	1/25	14	2.4	Est	17	4.6	3/29	6	2.0						
OJO REDONDO	8200				1/28	19	4.0	2/22	20	5.1	3/31	0	.0						
PALO	9300				1/28	21	4.9	2/26	20	5.8	3/30	14	4.7						
PANCHUELA	8300	12/29	12	1.9	1/28	20	4.0	2/24	17	4.3	4/1	2	.7	5/2	0	.0			
PAYROLE	10000				1/26	28	7.2	2/24	31	9.0	3/28	21	7.2						
POST OFFICE FLAT	8400				1/28	16	3.9	2/22	16	4.1	3/31	0	.0						
QUEMAZON	9300	12/29	23	3.9	1/27	31	6.8	2/24	29	7.1	3/30	27	7.9						
RED RIVER PASS #2	9800	12/29	14	3.0	1/29	19	4.4	2/25	20	5.0	3/30	12	3.8	4/27	0	.0			
RICE PARK	8500				1/28	23	5.6	2/22	21	6.1	3/31	0	.0						
RIO EN MEDIO	10300				1/27	27	6.1	2/25	26	6.7	3/29	18	5.9	4/28	5	1.4			
SAN ANTONIO SINK	9200				1/25	24	4.8	2/24	27	6.8	3/28	16	5.0						
SANDOVAL	9500				1/27	25	5.6	2/24	23	6.0	3/30	13	4.0						
SENORITA DIVIDE #1	8780	12/29	19	3.2	1/26	38	8.6	2/29	26	8.9	3/30	9	3.1						
SENORITA DIVIDE #2	8600	12/29	21	3.2	1/26	37	9.1	2/29	25	8.4	3/30	8	2.8						
TAOS CANYON	9000				1/28	15	4.1	2/26	15	5.3	3/30	6	1.9						
TRES RITOS	9000				1/28	21	2.5	2/26	18	5.1	3/28	2	.9						
WESNER SPRINGS	11120				1/28	38	9.8	2/25	37	11.4	4/7	34	11.6						

SNOTEL SWE's — WY 1988 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK START DATE	SNOWPACK MAX SWE	SNOWPACK MAX DATE	SNOWPACK MELTOUT DATE
BATEMAN	9300	1st	.0	.0	2.4	5.2	10.1	12.8	13.5	5.4	.0	.0	.0	.0				
		15th	.0	1.5	3.0	8.1	12.2	12.8	10.1	.0	.0	.0	.0	.0	11/3	13.8	4/5	5/7
CHAMITA	8400	1st	.0	.8	2.2	4.3	7.8	12.3	9.4	.0	.0	.0	.0	.0				
		15th	.0	1.3	2.5	7.2	11.9	12.4	5.2	.0	.0	.0	.0	.0	10/24	12.4	3/27	4/27
FRISCO DIVIDE	8000	1st	.0	.0	.0	3.2	4.7	3.2	.0	.0	.0	.0	.0	.0				
		15th	.0	.5	.5	3.4	5.1	1.0	.0	.0	.0	.0	.0	.0	12/13	5.5	2/6	3/20
GALLEGOS PEAK	9800	1st	.0	.0	1.1	3.3	5.9	6.8	7.5	.0	.0	.0	.0	.0				
		15th	.0	.3	2.2	4.5	6.8	7.9	3.8	.0	.0	.0	.0	.0	11/9	8.4	3/26	5/1
HOPEWELL	10000	1st	.0	.5	3.5	7.2	11.6	15.1	16.1	5.4	.0	.0	.0	.0				
		15th	.0	2.4	4.6	9.5	14.1	16.0	9.2	.0	.0	.0	.0	.0	10/21	16.3	3/23	5/7
LOOKOUT MOUNTAIN	8500	1st	.0	.0	.0	2.8	3.9	4.2	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	.5	2.5	5.2	.2	.0	.0	.0	.0	.0	.0	12/13	6.3	2/22	3/16
NORTH COSTILLA	10600	1st	.0	.0	1.3	1.7	2.9	3.7	1.6	.0	.0	.0	.0	.0				
		15th	.0	.1	1.3	2.4	3.3	3.9	.0	.0	.0	.0	.0	.0	11/14	4.0	3/21	4/7
PANCHUELA	8400	1st	.0	.0	.0	1.8	4.0	5.1	4.0	.0	.0	.0	.0	.0				
		15th	.0	.0	.6	2.5	5.2	5.7	.0	.0	.0	.0	.0	.0	12/12	5.8	3/19	4/14
QUEMAZON	9500	1st	.0	.0	3.1	5.9	8.9	9.6	6.9	.0	.0	.0	.0	.0				
		15th	.0	1.6	3.0	7.0	9.5	9.9	.0	.0	.0	.0	.0	.0	11/10	10.4	3/20	4/14
RED RIVER PASS #2	9850	1st	.0	.0	1.1	3.1	4.2	5.2	4.9	.0	.0	.0	.0	.0				
		15th	.0	.2	1.9	3.5	5.1	5.4	.6	.0	.0	.0	.0	.0	11/13	6.2	3/21	4/23
SENORITA DIVIDE	8600	1st	.0	.0	3.1	4.1	10.3	10.7	10.1	.0	.0	.0	.0	.0				
		15th	.0	.6	3.1	6.7	10.3	11.2	1.1	.0	.0	.0	.0	.0	11/7	11.4	3/28	4/21
SIGNAL PEAK	8360	1st	.0	.0	.0	5.1	7.8	7.7	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	3.0	6.3	9.4	3.7	.0	.0	.0	.0	.0	.0	12/1	10.2	2/23	3/26
SILVER CREEK DIVIDE	9000	1st	.0	.0	.8	8.7	10.0	10.8	6.5	.7	.0	.0	.0	.0				
		15th	.0	.2	3.4	8.4	10.7	10.0	1.6	.0	.0	.0	.0	.0	11/14	11.5	2/26	5/2

SNOTEL Monthly Precipitation — WY 1988 (Inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
BATEMAN	9300	2.0	3.9	2.5	3.7	1.4	1.3	1.7	.6	2.2	.8	5.0	3.0	28.1
CHAMITA	8400	1.7	3.0	2.1	3.9	2.9	.4	1.7	1.9	2.2	2.5	3.5	1.6	27.4
FRISCO DIVIDE	8000	2.0	1.3	3.3	1.5	1.4	.1	2.4	.0	1.6	2.7	8.7	2.1	27.1
GALLEGOS PEAK	9800	1.5	2.9	2.4	3.1	.7	.9	2.2	2.1	3.2	2.3	8.0	2.9	32.2
HOPEWELL	10000	2.4	3.1	3.7	4.3	2.8	1.5	2.0	1.5	2.8	3.5	8.8	1.8	38.2
LOOKOUT MOUNTAIN	8500	.9	1.2	3.3	1.1	2.7	.3	1.6	.0	1.3	2.3	7.6	2.0	24.3
NORTH COSTILLA	10600	.5	1.7	2.0	1.7	1.1	2.1	1.8	2.1	3.5	2.3	2.0	2.7	23.5
PANCHUELA	8400	.7	2.0	1.9	2.2	.9	.8	1.3	1.8	3.9	6.5	4.4	3.3	29.7
QUEMAZON	9500	1.0	3.7	2.5	2.1	.3	1.6	1.9	1.3	1.9	2.3	6.9	2.9	28.4
RED RIVER PASS #2	9850	.7	1.2	1.7	1.2	1.4	1.1	1.9	1.7	3.0	2.2	2.7	2.5	21.3
SENORITA DIVIDE	8600	1.3	4.6	2.0	4.3	1.3	1.5	2.6	1.0	2.2	1.5	5.1	1.7	29.1
SIGNAL PEAK	8360	1.1	1.3	4.3	2.8	2.0	1.1	3.1	.3	.6	7.2	8.5	3.4	35.7
SILVER CREEK DIVIDE	9000	2.5	2.3	6.7	3.8	1.8	.7	5.0	.0	1.5	4.9	9.1	2.4	40.7

Snow Course SWE Averages: 1961-1985 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
		1st	15th	1st	15th	1st	15th	1st	15th	1st	15th	1st	15th
BOWL CANYON	8980	4.3	5.5	6.2	7.1	8.0	9.9	10.5	10.5	4.0			
EMORY PASS #2	7800	.9	1.4	1.3	1.4	.9	.6	.2	.0	.0			
FRISCO DIVIDE	8000	1.6	2.1	2.4	2.5	2.3	2.3	1.8	.9	.0			
HUMMINGBIRD	10550	6.1	8.7	10.7	12.2	14.2	16.1	17.5	10.2	.0			
MCKNIGHT CABIN	9300	2.5	3.2	3.7	4.0	4.8	4.0	3.1	.0	.0			
MOGOLLON	7000	.8	1.3	1.1	1.3	.9	.5	.1	.0	.0			
REDSTONE TRAIL	8600	4.6	5.2	6.1	6.5	7.1	7.6	6.9	.0	.0			
SILVER CREEK DIVIDE	9070	5.6	6.3	7.2	9.0	9.8	11.0	10.5	8.7	5.0			
STATE LINE	8000	1.6	2.3	2.7	2.8	2.6	2.1	1.0	.0	.0			
WHISKEY CREEK	9050	4.3	5.8	6.8	8.2	9.4	10.9	11.5	11.0	4.5			
WHITEWATER	10750	8.1	10.8	14.0	16.2	19.1	22.5	24.4	12.8	.0			
ALAMITOS	9800			4.4		6.1		6.9					
BATEMAN	9800	3.7		7.6		10.2		13.0		10.7			
BIG TESUQUE	10000			4.0		6.0		5.6		2.6			
BITTER CREEK	8800			4.0		4.8		4.5		.2			
CHAMA DIVIDE	7750	1.9		3.0		4.0		2.5		.0			
CHAMITA	8500	3.3		6.2		8.4		9.0		1.6			
CORDOVA	10100			5.8		9.6		11.8					
ELK CABIN	8250	2.2		2.9		3.6		2.9					
GALLEGOS PEAK	9500	5.0		7.0		9.7		12.2		4.6			
HEMATITE PARK	9500			3.1		4.0		4.4					
HOPEWELL LAKE	10000	7.4		11.5		15.6		19.5		16.0			
LA CUEVA	8700	2.1		4.9		6.9		7.2					
LA MANGA	10000			13.1		16.7		21.1		19.9			
NORTH COSTILLA	10600	2.3		3.6		4.2		6.5					
OJO REDONDO	8200			4.4		5.5		3.6		.0			
PALO	9300			5.4		7.1		7.9		3.2			
PANCHUELA	8300	2.1		3.2		4.0		2.9		.9			
PAYROLE	10000			6.1		8.3		9.0					
POST OFFICE FLAT	8400			3.2		4.1		2.1		.0			
QUEMAZON	9300	4.2		6.1		8.0		10.0		4.4			
RED RIVER PASS #2	9800	3.1		4.2		5.6		6.4		3.6			
RICE PARK	8500			4.6		6.7		3.7					
RIO EN MEDIO	10300			6.3		8.9		9.7		5.4			
SAN ANTONIO SINK	9200			5.4		7.7		8.6		3.1			
SANDOVAL	9500	2.3		4.9		5.1		5.9		9.6			
SENORITA DIVIDE #1	8780	4.0		6.3		8.6		8.2		.6	0.0		
SENORITA DIVIDE #2	8600	4.5		6.5		8.5		8.2		1.4			
TAOS CANYON	9000			3.5		4.7		4.9					
TAOS POWDERHORN	11250			14.3		19.4		26.0					

Snow Course SWE Averages: 1961-1985 (Inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY 1st	JANUARY 15th	FEBRUARY 1st	FEBRUARY 15th	MARCH 1st	MARCH 15th	APRIL 1st	APRIL 15th	MAY 1st	MAY 15th	JUNE 1st	JUNE 15th
TRES RITOS	9000			4.0		5.3		5.8		3.9			
WESNER SPRINGS	11120			14.0		15.5		16.0		13.4			

SNOTEL SWE Averages: 1961-1985 (Inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BATEMAN	9300	1st	.0	.8	3.2	5.9	7.6	10.1	13.8	11.7	.0	---	---	---
		15th	.0	1.8	4.4	6.7	8.6	11.7	12.9	5.0	.0	---	---	---
CHAMITA	8400	1st	.0	.5	2.0	2.7	5.7	7.9	8.7	.4	.0	---	---	---
		15th	.0	1.3	2.4	4.3	6.8	8.3	6.1	.0	.0	---	---	---
FRISCO DIVIDE	8000	1st	.0	.0	.8	1.2	2.0	2.2	.9	.0	.0	---	---	---
		15th	.0	.0	1.0	1.8	2.2	1.5	.0	.0	.0	---	---	---
GALLEGOS PEAK	9800	1st	.0	.8	3.0	3.2	6.4	9.6	13.0	8.8	.0	---	---	---
		15th	.0	2.0	3.1	4.8	8.0	11.3	11.0	5.4	.0	---	---	---
HOPEWELL	10000	1st	.0	1.2	4.6	7.5	10.0	15.0	20.2	14.8	.3	.0	---	---
		15th	.0	3.1	6.1	8.8	12.6	17.6	17.5	8.9	.0	---	---	---
LOOKOUT MOUNTAIN	8500	1st	.0	.0	.6	2.3	3.6	2.2	.0	.0	.0	---	---	---
		15th	.0	.2	2.2	3.3	5.5	.0	.0	.0	.0	---	---	---
NORTH COSTILLA	10600	1st	.0	.3	1.0	1.6	2.0	2.8	4.5	3.8	.0	---	---	---
		15th	.0	.7	1.3	1.8	2.4	3.6	4.1	.0	.0	---	---	---
PANCHUELA	8400	1st	.0	.3	1.3	2.5	3.5	5.1	5.6	4.7	.0	---	---	---
		15th	.0	.8	1.9	3.0	4.3	5.4	5.2	.0	.0	---	---	---
QUEMAZON	9500	1st	.0	.6	2.3	3.5	7.2	8.9	10.2	3.4	.0	---	---	---
		15th	.0	1.5	2.9	5.3	8.0	9.5	7.9	.0	.0	---	---	---
RED RIVER PASS #2	9850	1st	.0	.4	1.6	3.2	4.0	5.2	7.0	3.0	.0	---	---	---
		15th	.0	1.0	2.4	3.6	4.6	6.1	5.3	.0	.0	---	---	---
SENORITA DIVIDE	8600	1st	.0	.6	2.7	3.0	6.1	9.2	11.6	0.6	.0	---	---	---
		15th	.0	1.6	2.8	4.6	7.6	10.4	11.1	0.0	.0	---	---	---
SIGNAL PEAK	8360	1st	.0	.0	1.1	3.1	6.4	6.9	2.1	.0	.0	---	---	---
		15th	.0	.0	2.9	4.9	8.2	4.4	1.9	.0	.0	---	---	---
SILVER CREEK DIVIDE	9000	1st	.0	.0	2.7	6.2	9.9	12.3	14.3	6.8	.0	---	---	---
		15th	.0	.2	4.4	7.5	11.3	13.8	10.6	3.1	.0	---	---	---

SNOTEL Monthly Precipitation Averages: 1961-1985 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
BATEMAN	9300	2.0	1.8	2.5	2.4	2.0	4.2	2.0	1.2	1.2	1.7	2.7	1.6	25.3
CHAMITA	8400	1.8	2.0	2.3	2.2	2.5	3.3	1.8	1.3	1.0	2.7	1.9	1.8	24.6
FRISCO DIVIDE	8000	1.8	1.4	1.7	1.6	.9	1.9	1.2	.3	.9	3.5	2.9	3.7	21.8
GALLEGOS PEAK	9800	2.2	2.2	2.8	2.1	1.6	4.1	2.5	1.7	1.3	2.6	3.3	1.4	27.8
HOPEWELL	10000	2.8	2.7	3.5	3.0	3.4	5.2	2.5	1.8	.9	2.4	1.1	1.2	30.5
LOOKOUT MOUNTAIN	8500	1.8	1.4	1.8	1.9	1.4	1.4	1.3	.4	.7	2.7	3.5	2.7	21.0
NORTH COSTILLA	10600	1.9	2.0	1.7	1.2	1.2	3.5	2.5	2.7	1.1	2.0	3.5	1.5	24.8
PANCHUELA	8400	1.3	1.2	2.2	1.0	1.1	2.9	1.5	3.2	1.2	3.7	3.4	2.6	25.3
QUEMAZON	9500	2.0	1.6	2.1	1.4	1.5	3.2	2.4	1.2	4.3	2.8	4.0	1.7	28.2
RED RIVER PASS #2	9850	1.5	1.3	1.3	1.2	1.1	2.7	2.2	1.6	.8	1.6	2.6	1.1	19.0
SENORITA DIVIDE	8600	2.5	1.8	3.4	2.7	2.3	4.4	2.3	1.5	1.4	2.7	3.3	1.7	30.0
SIGNAL PEAK	8360	2.5	2.7	3.9	3.2	2.0	2.6	1.4	.7	.9	2.1	3.9	3.6	29.5
SILVER CREEK DIVIDE	9000	3.2	3.7	3.6	3.3	2.3	4.0	2.3	.9	.8	2.2	3.9	4.0	34.2

Glossary:

a (Accumulated) Data value summed over several previous measurement periods.

AM (Aerial Marker) A vertical member with equally spaced crossarms. The depth of snow at these remote sites is determined by observation from low-flying aircraft. Water content is calculated using measurements from nearby snow courses.

Average The mean values of snow water equivalent and monthly/yearly precipitation based on the 25 year period 1961-1985. Sites with less than 25 years of record have averages computed by correlation with long term record sites.

Basin The major drainage area in which a snow course is located.

Data Refers to snow water equivalent or precipitation amounts.

Disc. (Discontinued) Manual measurement discontinued. Estimates to be provided for minimum of 5 years following discontinuance for correlation purposes.

e, est (Estimate) Data value developed from adjacent snow course or SNOTEL site in lieu of an actual physical measurement.

Elevation The vertical reference of a site location above mean sea level, measured in feet.

Meltout Date Date permanent seasonal snowpack was completely melted.

Months Month names that head data columns in this report indicate:

1. Snow depth and snow water equivalent measurements that are usually taken near the end or middle of the month, and reported as first of month or fifteenth of month readings. This explains why, for example, a February 27 and a March 15 reading are shown under the March column.
2. Precipitation increment or catch measured during the month indicated.

Precipitation The liquid equivalent (inches) of rainfall, snow, sleet, or hail, collected by precipitation storage gauges.

SNOTEL Abbreviation for SNOw TELemetry; a west-wide system for obtaining snow water equivalent, precipitation, air temperature, and other hydrologic measurements from remote data sites via radio transmission.

Snow Course A permanently marked data site where manual snow measurements are collected.

Site Number An indexing/locating number based on alpha and numeric grid divisions. Refer to the Data Site Maps included with this report.

Snow Depth An average of the vertical measurements in inches of snowpack at a data site.

Start Date Date permanent seasonal snowpack first began.

SWE (Snow Water Equivalent) The amount of water in the snowpack expressed in inches.

WY (Water Year) The twelve month period beginning October 1st in one year and ending September 30th of the following year. The water year is the calendar year in which it ends.

The Following Agencies and Organizations Cooperate With the Soil Conservation Service in Snow Survey Work

State

New Mexico State Engineer
New Mexico Department of Game and Fish
Interstate Stream Commission

Federal

U.S. Department of Agriculture
- Soil Conservation Service
- Forest Service

U.S. Department of Commerce
- NOAA, National Weather Service

U.S. Department of Interior
- Bureau of Reclamation
- Geological Survey
- National Park Service
- Bureau of Indian Affairs

U.S. Department of Defense
- Army Corps of Engineers
- Los Alamos National Laboratory

Local

Public Service Company of New Mexico
City of Las Vegas
Village of Ruidoso
Zuni Tribe
Bluewater-Toltec Irrigation District
Costilla Land Company
Navajo Tribe
Ramah Valley Acequia

Private

Moreno Ranch
Vermejo Ranch

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
517 GOLD AVE., SW, RM 3301
ALBUQUERQUE, NEW MEXICO 87102

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PENALTY FOR PRIVATE USE, $300

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THIRD CLASS MAIL

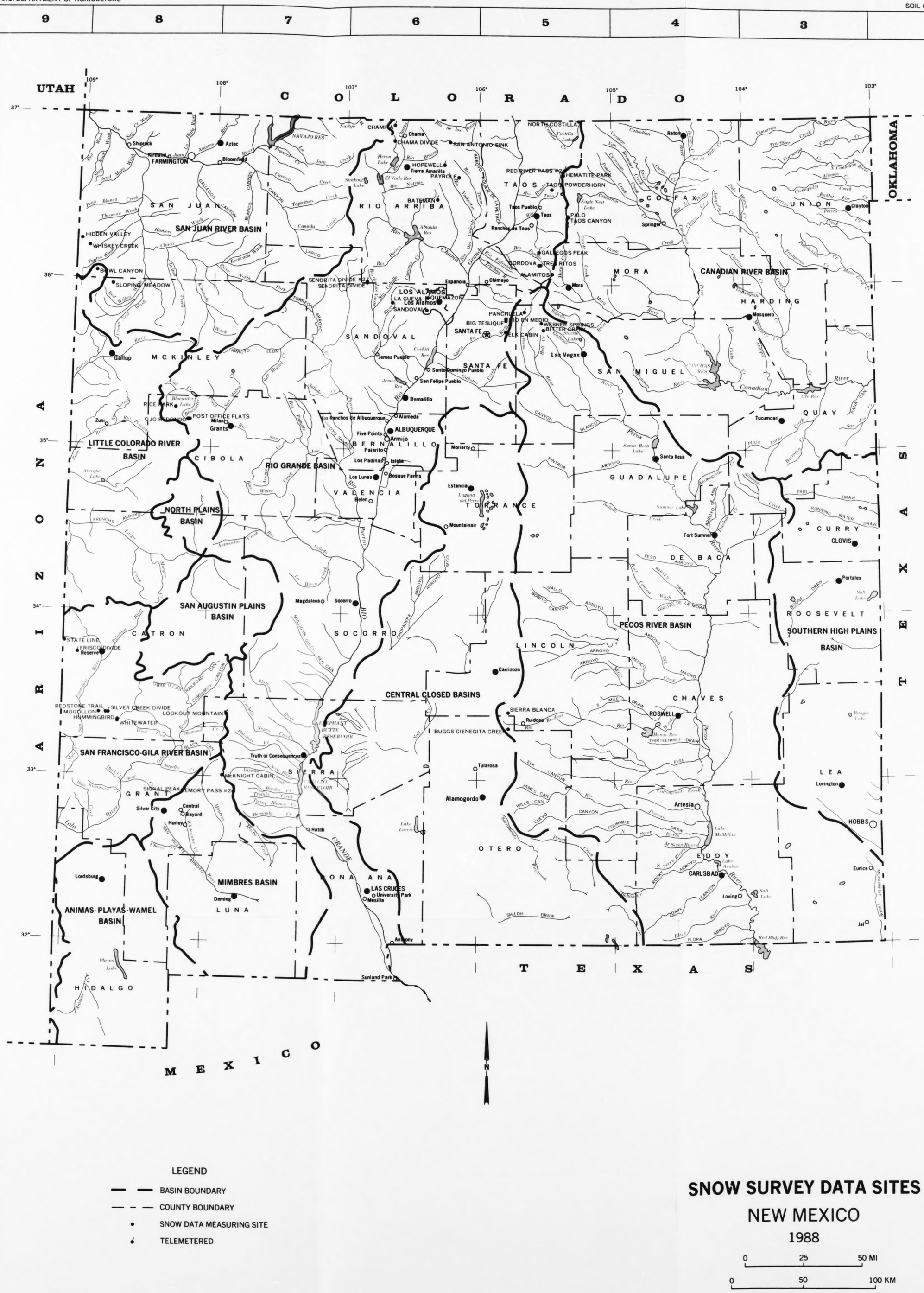
NEW MEXICO
Annual Data Summary
of
Federal-State-Private
Cooperative Snow Surveys

SOIL CONSERVATION SERVICE

U.S. DEPARTMENT of AGRICULTURE
CONSERVATION OF WATER BEGINS WITH THE SNOW SURVEY
SOIL CONSERVATION SERVICE

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE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TAOS
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MORA
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UNION
CANADIAN RIVER BASIN
SAN JUAN RIVER BASIN
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SAN MIGUEL
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RIO GRANDE BASIN
VALENCIA
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PECOS RIVER BASIN
CENTRAL CLOSED BASINS
CHAVES
SAN FRANCISCO-GILA RIVER BASIN
GRANT
SIERRA
OTERO
EDDY
LEA
MIMBRES BASIN
LUNA
DONA ANA
ANIMAS-PLAYAS-WAMEL BASIN
HIDALGO
MEXICO
FARMINGTON
Aztec
Bloomfield
Shiprock
Kirtland
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Zuni
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POST OFFICE FLATS
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WHISKEY CREEK
BOWL CANYON
SLOPING MEADOW
REDSTONE TRAIL
MOGOLLON
HUMMINGBIRD
SILVER CREEK DIVIDE
LOOKOUT MOUNTAIN
WHITEWATER
FRISCO DIVIDE
Reserve
STATE LINE
SIGNAL PEAK
MEMORY PASS #2
Silver City
Central
Bayard
Hurley
Lordsburg
Deming
Truth or Consequences
McKNIGHT CABIN
Hatch
LAS CRUCES
University Park
Mesilla
Anthony
Sunland Park
Tularosa
Alamogordo
SIERRA BLANCA
Ruidoso
BUGGS CIENEGITA CREEK
ROSWELL
Artesia
CARLSBAD
Loving
Jal
Eunice
HOBBS
Lovington
Portales
CLOVIS
Fort Sumner
Santa Rosa
Tucumcari
Raton
Springer
Mora
Las Vegas
Mosquero
Clayton
Taos
Taos Pueblo
Ranchos de Taos
PALO
TAOS CANYON
POWDERHORN
HEMATITE PARK
RED RIVER PASS #2
NORTH COSTILLA
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Chama
CHAMA DIVIDE
SAN ANTONIO SINK
HOPEWELL
Tierra Amarilla
PAYROLL
BATEMAN
NAVAJO RES
SENORITA DIVIDE #2
SENORITA DIVIDE
LOS ALAMOS
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CORDOVA
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WESNER SPRINGS
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ELK CABIN
SANTA FE
Jemez Pueblo
Santo Domingo Pueblo
San Felipe Pueblo
Bernalillo
Los Ranchos de Albuquerque
Alameda
ALBUQUERQUE
Five Points
Armijo
Pajarito
Los Padillas
Isleta
Los Lunas
Bosque Farms
Belen
Moriarty
Estancia
Mountainair
Magdalena
Socorro
Carrizozo
Ruidoso
Tularosa
Alamogordo
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Sandoval
Espanola
Chimayo
Cordova
Tres Ritos
Gallegos Peak
Alamitos
Panchuela
Rio En Medio
Big Tesuque
Wesner Springs
Bitter Creek
Elk Cabin
Santa Fe
Jemez Pueblo
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Artesia
Carlsbad
Loving
Jal
Eunice
Hobbs
Lovington

INDEX TO NEW MEXICO SNOW DATA SITES

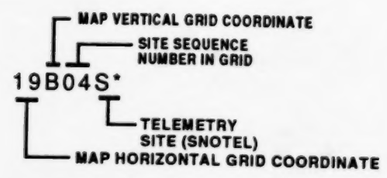
SITE NAME	SITE NO.	ELEV.	LAT.	LONG.	SEC.	TWP.	RANGE	SITE CONFIGU-RATION	BASIN
ALAMITOS	05N12	9320	36°04'	105°27'	9	21N	14E	SC	RIO GRANDE
BATEMAN	06N04S	9300	36°31'	106°19'	5	26N	6E	SC,S,P,T	RIO GRANDE
BIG TESUQUE	05P03	10000	35°48'	105°49'	17	18N	11E	SC	RIO GRANDE
BITTER CREEK	05P07	8800	35°44'	105°31'	1	17N	13E	SC	PECOS
BOWL CANYON	08N04	8980	36°03'	108°53'	18	21N	20W	SC,P	LITTLE COLORADO
BUGGS CIENEGITA CREEK	05R02	8450	33°19'	105°47'	34	11S	11E	SC	PECOS
CHAMA DIVIDE	06N02	7820	36°53'	106°40'	31	31N	3E	SC	RIO GRANDE
CHAMITA	06N03S	8400	36°57'	106°39'	31	32N	3E	SC,S,P,T	RIO GRANDE
CORDOVA	05N05	9600	36°07'	105°32'	22	22N	13E	SC	RIO GRANDE
ELK CABIN	05P04	8250	35°44'	105°48'	8	17N	11E	SC	RIO GRANDE
EMORY PASS #2	07T02	7800	32°54'	107°47'	16	16S	9W	SC	MIMBRES
FRISCO DIVIDE	08S01S	8000	33°44'	108°56'	31	6S	20W	SC,S,P,T	SAN FRANCISCO-GILA
GALLEGOS PEAK	05N18S	9800	36°11'	105°33'	27	23N	13E	SC,S,P,T	RIO GRANDE
HEMATITE PARK	05N03	9500	36°40'	105°22'	8	28N	15E	SC	ARKANSAS
HOPEWELL	06N14S	10000	36°43'	106°16'	25	29N	6E	SC,S,P,T	RIO GRANDE
HIDDEN VALLEY	08N05	8480	36°16'	109°00'	AREA NOT SURVEYED			SC,P	SAN JUAN
HUMMINGBIRD	08S09	10550	33°20'	108°38'	19	11S	17W	SC	SAN FRANCISCO-GILA
LA CUEVA	06P08	8700	36°53'	106°40'	7	19N	3E	SC	RIO GRANDE
LOOKOUT MOUNTAIN	07S04S	8500	33°22'	107°50'	1	11S	10W	S,P,T	SAN FRANCISCO-GILA
MOGOLLON	08S02	7000	33°23'	108°46'	2	11S	19W	SC	SAN FRANCISCO-GILA
MCKNIGHT CABIN	07S03	9300	33°01'	107°52'	10	15S	10W	SC	MIMBRES
NORTH COSTILLA	05N16S	10600	37°00'	105°15'	—	—	—	SC,S,P,T	RIO GRANDE
OJO REDONDO	08P02	8200	35°10'	108°11'	23	11N	13W	SC	RIO GRANDE
PALO	05N13	9300	36°24'	105°19'	10	25N	15E	SC	RIO GRANDE
PANCHUELA	05P02S	8400	35°50'	105°40'	27	19N	12E	SC,S,P,T	PECOS
PAYROLE	06N01	9520	36°38'	106°10'	23	28N	7E	SC,P	RIO GRANDE
POST OFFICE FLATS	08P01	8400	35°10'	108°10'	24	11N	13W	SC,P	RIO GRANDE
QUEMAZON	06P01S	9500	35°55'	106°23'	34	20N	5E	SC,S,P,T	RIO GRANDE
RED RIVER PASS #2	05N11S	9850	36°42'	105°20'	3	28N	15E	SC,S,P,T	RIO GRANDE
REDSTONE TRAIL	08S07	8600	33°22'	108°43'	5	11S	18W	SC	SAN FRANCISCO-GILA
RICE PARK	08P03	8460	35°14'	108°16'	25	12N	14W	SC,P	RIO GRANDE
RIO EN MEDIO	05P05	10300	35°48'	105°48'	8	18N	11E	SC	RIO GRANDE
SAN ANTONIO SINK	06N15	9200	36°52'	106°14'	5	30N	7E	SC	RIO GRANDE
SANDOVAL	06P03	9100	35°50'	106°24'	34	19N	5E	SC	RIO GRANDE
SENORITA DIVIDE	06P09	8775	36°00'	106°50'	33	21N	1E	SC	RIO GRANDE
SENORITA DIVIDE #2	06P10S	8600	36°00'	106°50'	33	21N	1E	SC,S,P,T	RIO GRANDE
SLOPING MEADOW	08P04	8240	35°58'	108°46'	AREA NOT SURVEYED			SC	SAN JUAN
SIERRA BLANCA	05R01	10280	33°25'	105°58'	27	10S	11E	SC	PECOS
SIGNAL PEAK	08T01S	8360	32°55'	108°08'	13	16S	13W	S,P,T	SAN FRANCISCO-GILA
SILVER CREEK DIVIDE	08S08S	9000	33°22'	108°43'	4	11S	18W	SC,S,P,T	SAN FRANCISCO-GILA
STATE LINE	09S08	8000	33°48'	109°03'	6	6S	21W	SC	SAN FRANCISCO-GILA
TAOS CANYON	05N02	9100	36°24'	105°20'	10	25N	15E	SC	RIO GRANDE
TAOS POWDERHORN	05N14	11250	36°35'	105°27'	9	27N	14E	SC	RIO GRANDE
TRES RITOS	05N04	8600	36°08'	105°32'	23	22N	13E	SC	RIO GRANDE
WESNER SPRINGS	05P08	11120	35°46'	105°32'	23	18N	13E	SC,P	PECOS
WHISKEY CREEK	08N03	9050	36°11'	108°57'	34	23N	20W	SC,P	SAN JUAN
WHITEWATER	08S10	10750	33°19'	108°38'	19	11S	17W	SC	SAN FRANCISCO-GILA

LEGEND

SITE CONFIGURATION

SC = SNOW COURSE
S = SNOW PILLOW
P = PRECIPITATION
T = TEMPERATURE
W = WIND

SITE NO.



*NOTE: Sometimes Snow Course data sites and SNOTEL, telemetry sites are colocated and have the same SITE NAME. Such sites are identified as follows:

The last (6th) character of the SITE NO. is an "S"

and

parameters under the "SITE CONFIGURATION" heading include both "S" (for SNOW PILLOW) and "SC" (for SNOW COURSE).

In such instances, the first 5 characters of the "SITE NO." identify the Snow Course. All 6 characters (including the suffix "S") identify the SNOTEL "SITE NO."

SEPTEMBER 1988 BACK 1001650-01